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**REDUNDANT UPDATABLE SELF-BOOTING FIRMWARE**

**ABSTRACT**

A computer implemented method and a system for providing a redundant, updatable, self-booting firmware program. A sectored, non-volatile memory, having separately erasable sectors, stores at least two copies of operational code, each in at least one of the sectors separate from other of the copy sectors. Each operational code copy has information indicating the relative update level of the operational code copy, so that the copies may be separately updated and have different update levels. A boot program stored in at least one of the sectors of the non-volatile memory, separate from the operational code sectors, operates a processor to read the information from each of the copies to determine the most recent update level of the operational code copies, and executes the operational code copy having the most recent update level. The boot program, prior to reading the information, operates the processor to test the operational code copies to determine whether any of the operational code copies is corrupted, and only the header(s) of those copies determined to be uncorrupted in the testing is read.